

ABSTRACT OF THE DISCLOSURE

A computer interface extension configuration that includes a host, an extension transmitter, an extension receiver, and user interface devices such as a keyboard, mouse, and video devices. The host has a motherboard with a first connector that allows motherboard

5 signals to be shared internal to the host. The motherboard also has a second connector separate from the first connector that supports communications with the host. An extension transmitter card is inserted within the host and is connected to the motherboard of the host via at least the first connector. The extension transmitter card has an extension controller or transmitter core that adapts to the functionality distribution of the extension transmitter. An extension receiver

10 is included in the computer interface extension configuration as an interface to a plurality of user interface devices. The extension receiver is extensibly connected to the extension transmitter card and receives and transmits data transmissions from and to the extension transmitter card of the host to thereby provide the data transmissions to one or more of the plurality of user interface devices.